SAKSHI SANJAY PRATAP

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EDUCATION

Georgia Institute of Technology	M.S. Computer Science	CGPA: 4.0/4.0	Graduation: May 2017
BITS Pilani (India)	B.E. Computer Science	CGPA: 8.76/10	Graduation: May 2014

PROFESSIONAL EXPERIENCE

Oracle, Redwood Shores   July 2017 - Present
Fulltime, Applications Developer | *Java, JavaScript, GraphQL*
Researching on new technologies and opportunities for the Fusion Financial group

PayPal, San Jose   May 2016 - Aug 2016
Intern, Business Development | *Python, Flask, JavaScript, d3, Teradata*
Developed a tool to proactively monitor and analyze trends of different integrations to strengthen the relationship with the partners and improve the overall efficiency of the team and operational performance

Georgia Tech Visualization Lab, Atlanta   Aug 2015 - May 2017
Graduate Research Assistant | *Python, JavaScript, d3, AngularJs, MongoDB, AWS*
Created web based visual analytics tools for analysis and sensemaking on text document collections (Jigsaw, ListView), managed the lab web server and application deployment, prototyped visualization designs and mentored undergraduate student projects

Walmart Global Technology Services, Bangalore   Jul 2014 - Jul 2015
Fulltime, Software Engineer | *Java, JavaScript, JQuery, AngularJs, Oracle*
- Frontend development: Implemented integral features for the redesign and improvement of the UI of samsclub.com
- Other Projects: Data analysis, visualization, prototyping and site enhancement to improve customer experience

Innovation Labs - [24]7-Inc, Bangalore   Jan 2014 - Jun 2014
Intern, Software Developer | *Grails, GSP, HTML, CSS, JavaScript, MongoDB*
Worked independently on multiple web applications to improve the internal communication and collaboration among teams

PROJECTS, ACADEMICS AND RESEARCH

Teaching Assistant - Prototyping Interactive Systems   Aug 2016 – Dec 2016
Assisting the faculty with the course, lectures and assignment planning, grading and conducting office hours to help the students

Opportunity Hackathon - Collaborative Mapping Infrastructure   July 2016 - July 2016
Created an open source collaborative mapping tool to allow coordination among NPOs during time of disasters. Won the 3rd Place.

Emory Research Project – Clinical discharge Support System   Jan 2016 – May 2016
Collaborated with Professors from GSU and Doctors from Emory University to create a Clinical Discharge Decision support system that can potentially increase a physician's effectiveness in identifying the optimal time to discharge a patient and reduce costs.

Academic Project – Stack Overflow Visualization   Sep 2015 – Dec 2015
Developed a visualization tool to support the exploration of programming languages, tools and concepts.

Google Summer of Code– OpenSource Bioinformatics Software   May 2014 – Aug 2015
Developed the Cytoscape plugin, Pesca to study biological networks for National Resource for Network Biology research. Continued the work and enhanced another plugin, CentiScape to enable simultaneous multiple network analysis and visualization of the results

TECHNICAL SKILLS

Programming: Java, Python , C
Web Technologies: JavaScript, JQuery, D3.js, AngularJs, Bootstrap, Flask, HTML5, CSS, AWS. *Familiar:* React,Knockout, J2EE, SASS
Tools: Adobe Photoshop, After Effects, Maya, 3ds Max, CorelDRAW, MATLAB
Database: MySQL, Oracle, MongoDB

PUBLICATIONS

Accepted Poster: Sakshi Pratap, Alex Endert. PredVis - Interaction Techniques for Time Series Prediction. To be presented at Visual Analytics Science and Technology, 2017. IEEE Symposium on. IEEE,2017
Accepted Poster: Sakshi Pratap, Dhruv Chand. Viseract: Computer Vision based Gesture Control for InfoVis. To be presented at InfoVis, 2017. IEEE Symposium on. IEEE,2017
Article: Scardoni G, Tosadori G, Pratap S et al. Finding the shortest path with PesCa: a tool for network reconstruction F1000Research 2015, 4:484 (doi: 10.12688/f1000research.6769.1)
Journal: "Ontological Tree Generation for Enhanced Information Retrieval", IJAIA, Vol. 4, July 2013, PP. 41-51, ISSN: 0975-900X